

## Anti-Human Ferritin Light Chain Antibody (9K930)

### Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG1                                 |
| Reactivity:       | Human                                |
| Molecular Weight: | Theoretical: 20 kDa. Actual: 27 kDa. |
| Clone:            | 9K930                                |
| Purification:     | Protein A purified                   |

### Applications

|                    |   |
|--------------------|---|
| Verified Activity: | 1. Sample:<br>Lane 1: Recombinant Human Ferritin Light Chain Protein at 500 ng<br>Primary: Mouse Anti-Ferritin Light Chain Antibody at 1/1000 dilution (Cat. TMAB-07429)<br>Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution<br>Predicted band size: 19 kD<br>Observed band size: 27 kD<br>2. Measured by its binding ability in a indirect ELISA. Immobilized Human FTL, His Tag at 2 µg/mL (100 µL/well) can bind Anti-Human PSA monoclonal antibody, the minimum detection concentration is 2 ng/mL |
| Application:       | WB,ELISA  |
| Recommended        | WB: 1:500-2000; ELISA: 1:5000-10000   |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | Recombinant Protein: human Ferritin Light Chain |
| Antigen Species: | Human   |
| Gene ID:         | 2512  |
| Uniprot ID:      | P02792  |

### Research Background

This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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